

**H.R. 5656, The Energy Research, Development, Demonstration, and Commercial
Application Act of 2006**

**SECTION BY SECTION DESCRIPTION OF MANAGER'S
AMENDMENT**

Section	Pg/Line	Description	Rationale/Sponsorship
2	P2/L10	Adds definition for Department of Energy	Technical correction
2	P2/L14	Adds definition for Institution of Higher Education	Technical correction
3	P2/L21 through P5/L3	Revises FutureGen language, including striking authorization of appropriations and adding language on data protection and contributions from public and private sources.	Provision requested by Mr. Costello to address concerns raised by the FutureGen industry alliance. Appropriations for this project are already authorized in EPACT.
4	P5/L6 through P11/L4	Revises nuclear fuel cycle language, including striking "In General" language and authorization of appropriations and adding some additional language on cost analysis. Systems analysis requirement with associated reports and prohibitions remain intact.	Advanced fuel cycle R&D activities are already authorized under EPACT. Stripping out redundant language addresses some concerns raised by another House Committee without compromising on substance with respect to the systems analysis. Incorporates provisions requested by Mr. Honda on cost estimates of fuel cycle systems and decommissioning and decontamination of proposed demonstration projects.
5	P11/L5	Strikes all of Section 5 on Advanced Battery Technologies	Battery language in this section duplicative with Sec. 10 on plug-in hybrid vehicle technologies.
6	P12/L4	Changes "liquid fuels" to "motor and other fuels"	Broadens the scope of the R&D to include non-liquid motor fuels.
6	P12/L18	Minimum 10 percent allocation for university research in the biofuels section	Provision requested by Mr. Calvert

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7	P13/L12	Strikes authorization of appropriations under hydrogen section	To avoid likely conflict over jurisdiction and avoid confusion over funding.
10	P16/L2 and P16/L17	Strikes all references to fuel-cell vehicles in section on plug-in hybrid vehicles	Fuel-cell plug-in hybrids are too long term to be included in this demo.
10	P17/L18	Broadens scope of R&D to include technologies for electric drive transportation.	Broader participation and support in R&D efforts.
10	P18/L23	Broaden eligible entities for PHEV demonstration to local public entities	To allow for participation of air pollution control districts and other public entities not included under "governments"
10	P20/L9	Broadens possible partnerships to include non-profits and institutions of higher education, including minority-serving institutions.	Provision requested by Ms. Johnson, included non-profits to capture such entities as EPRI that may want to participate.
11	P26/L20	Encouraging minority-serving institutions to apply for PV grants	Provision requested by Ms. Johnson.
12	P28/L9	Technical correction	
12	P28/L22	Under buildings grant program, include due consideration for buildings that are likely to serve low and moderate-income populations.	Provision requested by Ms. Johnson.
12	P28/L20	Replace "are least likely to be realized without federal assistance" with "maximize the leverage of private investment for costs related to increasing the energy efficiency of the building"	Provision requested by Mr. Baird to explicitly encourage private investment and not to disincentivize larger organizations.
12	P29/L9	Clarify that energy audit/certifications have to be carried out by a qualified professional.	Provision requested by Mr. Baird.
13	P31/L5 through P37/L19	Strikes entire section 13 and replaces with amendment to Section 917 of EPACT: Advanced Energy Efficiency Technology Transfer Centers. This was a Science Committee provision originally.	Provision requested by Mr. Miller. The goals of Sec.917 of EPACT and Sec. 13 of this Act are identical. Rather establishing competing

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			programs, this amends 917 to clarify the existing statute, primarily by incorporating language from Sec. 13.
14	P38/L7& L22	Technical corrections	
15	P41/L8	Technical correction	